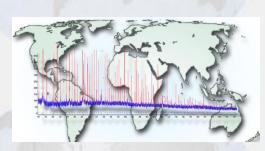
# Commission for Powder Diffraction (CPD)



## International Union of Crystallography (IUCr)

www.iucr.org/resources/commissions/powder-diffraction



#### What does the CPD do?:

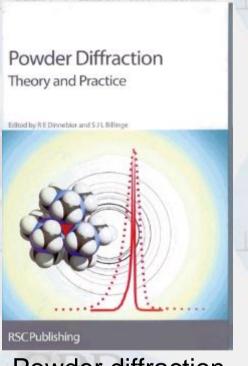
The CPD was established at the Perth IUCr Congress in 1987, with the following terms of reference:

- Advise the IUCr in organizing/sponsoring meetings, schools etc, on powder diffraction and related subjects.
- Promote and coordinate scientific exchange between countries in the field of powder diffraction.
- · Cooperate with other IUCr Commissions on matters concerning powder diffraction.
- Cooperate with other international bodies interested in powder diffraction and allied subjects.
- Promote interactions of the IUCr with the world-wide body of X-ray and neutron powder diffractionists.
- Promote the scientific growth and development of the field of powder diffraction.

It informs via its topical on-line CPD newsletters and web site

Membership of CPD is by nomination from IUCr National Committees & subject to approval at the triennial IUCr General Assemblies

## CPD Projects include...



Powder diffraction textbook (2008)

J. Appl. Cryst. (1999). 32, 36–50

Rietveld refinement guidelines

L. B. McCusker, \*R. B. Von Dreele, D. E. Cox, D. Louër And P. Scardi Rietveld refinement guidelines (1999)

Nietveid Teiliteittetti guideilites (1999

Outcomes of the International Union of
Crystallography

Crystallography Commission on Powder Diffraction
Round Robin on Quantitative Phase Analysis:
samples 2, 3, 4, synthetic bauxite, natural
granodiorite and pharmaceuticals

This paper is dedicated to the late Professor

Nicola V. Y. Scarlett, at Ian C. Madsen, Lachlan M. D. Cranswick, Thaung Lwin, c

Edward Groleau, Gregory Stephenson, Mark Aylmore and Nicki Agron-Olshina as a mark of respect for the contribution he

Quantitative phase analysis round-robin (2002-4)

Journal of Applied Crystallography

ISSN 0021-8898

research papers

Size—strain line-broadening analysis of the ceria round-robin sample

D. Balzar,<sup>a,b</sup>\* N. Audebrand,<sup>c</sup> M. R. Daymond,<sup>d</sup> A. Fitch,<sup>e</sup> A. Hewat,<sup>f</sup> J. I. Langford,<sup>g</sup> A. Le Bail,<sup>h</sup> D. Louër,<sup>c</sup> O. Masson,<sup>e</sup> C. N. McCowan,<sup>b</sup> N. C. Popa,<sup>i</sup> P. W. Stephens<sup>j</sup> and B. H. Toby<sup>k</sup>

#### Size-strain round-robin (2004)

J. Appl. Cryst. (1994). 27, 802-844

Received 27 February 2004

research papers

International Union of Crystallography
Commission on Powder Diffraction
Rietveld Refinement Round Robin. II. Analysis of Monoclinic ZrO<sub>2</sub>

By R. J. Hill and L. M. D. Cranswick CSIRO Division of Mineral Products, PO Box 124, Port Melbourne, Victoria 3207, Australia

Rietveld refinement round-robin (1992-4)

## Conferences & Workshops sponsored by the CPD / IUCr include...











## Getting involved...

The CPD exists to promote powder diffraction and represent <u>you</u> within the wider crystallographic community. Suggestions for meeting sponsorship and ideas to better serve our community are most welcome.

## CPD Membership for 2011-2014:

Pamela Whitfield (Canada) – chair Eduardo Granado (Brazil) Alok Mukherjee (India)

Rosanna Rizzi (Italy)

Consultants: Bill David (UK)

Simon Billinge (USA) Chris Gilmore (UK) Dave Billing (South Africa) - secretary

Kenneth Shankland (UK)
David Rafaja (Germany)
Brendan Kennedy (Australia)

Peter Stephens (USA)
Jim Cline (USA – NIST)

Lubomír Smrčok (Slovakia) Brian Toby (USA)

Ian Madsen (Australia)
Jim Kaduk (USA – ICDD)



Contact email addresses on CPD website (www.iucr.org/resources/commissions/powder-diffraction)